

Title (en)

Azoniaspiro derivatives, process for their preparation and pharmaceutical compositions containing them.

Title (de)

Azoniaspiro-Derivate, Verfahren zu ihrer Herstellung und sie enthaltende pharmazeutische Zusammensetzungen.

Title (fr)

Dérivés azoniaspiraniques, procédé pour leur préparation et compositions pharmaceutiques les contenant.

Publication

EP 0012071 A1 19800611 (EN)

Application

EP 79400904 A 19791122

Priority

US 96325878 A 19781124

Abstract (en)

Compounds of the formula wherein R¹ and R² are the same or different and are C₁ to-C₆ alkyl; C₅ or C₆ cycloalkyl; C₅ or C₆ cycloalkenyl; phenyl, optionally substituted with a substituent selected from the group C₁ to C₆ alkyl, C₁ to C₆ alkoxy and halo; or C₄ or C₅ heterocyclic aryl, the heteroatom selected from the group oxygen, nitrogen and sulfur; n is the integer 4 or 5; and X is a pharmaceutically acceptable anion. These compounds are useful as anticholinergic agents. The compounds of Formula (I) are prepared by reacting a compound represented by formula with a compound of the formula X(CH₂)_nX, wherein R¹, R², X and n are defined above.

IPC 1-7

C07D 471/10; **C07D 487/10**; **A61K 31/445**; **A61K 31/40**

IPC 8 full level

A61K 31/40 (2006.01); **A61P 11/08** (2006.01); **C07D 207/12** (2006.01); **C07D 471/10** (2006.01); **C07D 487/10** (2006.01)

CPC (source: EP US)

A61P 11/08 (2017.12 - EP); **C07D 207/12** (2013.01 - EP US); **C07D 471/10** (2013.01 - EP US); **C07D 487/10** (2013.01 - EP US)

Citation (search report)

FR 1439086 A 19660520 - ROBINS CO INC A H

Cited by

US6005119A; US7465751B2; WO2004056767A1

Designated contracting state (EPC)

AT BE CH DE FR GB IT LU NL SE

DOCDB simple family (publication)

EP 0012071 A1 19800611; AU 5310279 A 19800612; ES 486156 A1 19800916; JP S55105684 A 19800813; US 4208423 A 19800617; ZA 796220 B 19810624

DOCDB simple family (application)

EP 79400904 A 19791122; AU 5310279 A 19791122; ES 486156 A 19791120; JP 15135079 A 19791124; US 96325878 A 19781124; ZA 796220 A 19791119